

ABSTRACT OF THE DISCLOSURE

A balancer mechanism is provided that applies a balancing rotary moment to a rotary shaft that at least partly cancels rotary moment applied to the rotary shaft so as to reduce the rotary moment in a simple and reliable manner.

A rotary shaft balancer mechanism (8) comprises a gas spring (20), a first coupler (40) that rotatably couples the bottom end of the gas spring (20) to a stationary member (10) on a shaft supporting member (5), and a second coupler (45) that rotatably couples the bottom end of the gas spring (20) to a rotary member (15) fixed to the left end of a rotary shaft (3) at a position offset to the axis (A) of the rotary shaft (3).